EU/FG-MACT DD-OFFSITE WASTE & RECOVERY
FLEXIBLE GROUP CONDITIONS
40 CFR Part 63, Subpart DD covers major sources of HAPs.

Red text identifies options. Select the option that applies to the source and change the text to black. Delete red text that does not apply and renumber conditions if necessary.

Blue text is guidance or notes on the use of the template. Delete all blue text prior to issuing the final permit or submitting it with a permit application. Read through all conditions. If the permittee has control equipment, or wants the option to add control equipment in the future, use all applicable conditions in this template, selecting the appropriate control type for the tables. If there is currently no control or no plans to add control, eliminate the conditions that reference use of control.

If this template is being used for an ROP Reopening or Renewal, and the MACT conditions were established in a PTI, the appropriate footnotes which reference enforceability must be added to each applicable condition in the template.

DESCRIPTION

The provisions of Subpart DD apply to a plant site for which both of the following are applicable:

- The plant site is a major source of HAP emissions, AND at the plant site, one or more operations receive off-site materials as specified in Title 40 of the Code of Federal Regulations (40 CFR), 63.680(b) and the operation is one of the waste management operations or recovery operations as specified in 40 CFR 63.680(a)(2)(i) through (vi).
- For each operation specified in 40 CFR 63.680(a)(2)(i) through (vi), the affected source is the entire group of off-site material management units (MMU) associated with the operation. An off-site MMU is a tank, container, surface impoundment, oil-water separator, organic-water separator, or transfer system used to manage off-site material as defined in 40 CFR 63.680(c)(1).

The following information may be incorporated into the staff report as it applies to the source:

- An affected source is a new affected source if construction or reconstruction commenced on or after October 13, 1994. **(40 CFR 63.680(e)(2)**
- An affected source is an existing affected source if construction or reconstruction commenced before October 13, 1994. **(40 CFR 63.680(e)(1))**

Emission Units: Identify Emission Units in this Flexible Group

POLLUTION CONTROL EQUIPMENT

Vapor incinerator/ Boiler or process heater/ NA

I. EMISSION LIMIT(S) These emission limits apply only if the permittee uses a vapor incinerator, boiler, or process heater to control emissions from one or more MMU(s). If the source does not use one of these control devices, remove the limits that DO NOT apply, edit the equipment column entries, enter monitoring/testing method references, and renumber as needed.

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. 1. Total organic carbon (TOC), less methane and ethane	Less than 20 ppmv	According to method	Each off-site MMU (or combination of MMUs venting to a common control device) using a vapor incinerator	SC V SC VI	**40 CFR 63.693(f)(1)(i)(B)**
2. Total volatile organic HAPs (VOHAPs)*	Less than 20 ppmv	According to method	Each off-site MMU (or combination of MMUs venting to a common control device) using a vapor incinerator	SC V SC VI	**40 CFR 63.693(f)(1)(ii)(B)**
3. Total organic carbon (TOC), less methane and ethane	Less than 20 ppmv	According to method	Each off-site MMU (or combination of MMUs venting to a common control device) using a boiler or a process heater	SC V SC VI	**40 CFR 63.693(g)(1)(i)(B)**
4. Total volatile organic HAPs (VOHAPs)*	Less than 20 ppmv	According to method	Each off-site MMU (or combination of MMUs venting to a common control device) using a boiler or a process heater	SC V SC VI	**40 CFR 63.693(g)(1)(ii)(B)**
* Volatile organic HAPs are identified in Table 1 of 40 CFR Part 63, Subpart DD. Limits are on a dry basis, corrected to 3 percent oxygen					

II. MATERIAL LIMIT(S) **The applicable limits depend on the VOHAP composition of incoming materials, the treatment process, and the HAP reduction option. Remove the limits that DO NOT apply to the source (more than one limit may apply in some cases), edit the equipment column entries, enter monitoring/testing method references, and renumber as needed.**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Processed off-site material at the point-of-treatment	VOHAP concentration less than 500 ppmw	According to method	Each off-site MMU receiving only off-site materials with an average point-of-delivery VOHAP concentration of 500 ppmw or greater	SC V SC VI	**40 CFR 63.684(b)(1)(i)**
2. Processed off-site material at the point-of-treatment	VOHAP concentration less than XXX ppmw **NOTE:** 40 CFR 63.684(b)(1)(ii) (A) and (B) tell how to determine XXX	According to method	Each off-site MMU receiving a combination of off-site materials with average point-of-delivery VOHAP concentrations 1) at or above 500 ppmw and 2) below 500 ppmw	SC V SC VI	**40 CFR 63.684(b)(1)(ii)**
3. Processed off-site material	YYY lb/hr HAP removed **NOTE:** 40 CFR 63.694(e) tells how to determine YYY	According to method	Each off-site MMU for which the owner or operator chooses the "HAP mass removal" option	SC V SC VI	**40 CFR 63.684(b)(2)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
4. Processed off-site material	95 percent reduction of HAP mass in the processed material	According to method	Each off-site MMU for which the owner or operator chooses the "HAP reduction efficiency" option, EXCEPT biological treatment in open tank(s) or surface impoundment(s)	SC V SC VI	**40 CFR 63.684(b)(3)(i)** (if incoming < 10,000 ppmw) OR **(b)(3)(ii)** (if incoming ≥ 10,000 ppmw)
5. Processed off-site material at the point-of-treatment	Average VOHAP concentration in the processed material less than 100 ppmw **NOTE:** If this limit applies, so does II.4, with (b)(3)(ii) as UAR	According to method	Each off-site MMU for which the owner or operator chooses the "HAP reduction efficiency" option, EXCEPT biological treatment in open tank(s) or surface impoundment(s) and for which the average VOHAP concentration of the point-of-delivery material stream entering the process is ≥ 10,000 ppmw	SC V SC VI	**40 CFR 63.684(b)(3)(ii)**
6. Processed off-site material	HAP reduction efficiency of 95 percent or more **NOTE:** If this limit applies, so does II.7	According to method	Each off-site MMU using biological degradation in an open tank or surface impoundment for which the owner or operator chooses the "HAP reduction efficiency" option	SC V SC VI	**40 CFR 63.684(b)(4)(i)**
7. Processed off-site material	HAP biodegradation efficiency of 95 percent or more **NOTE:** If this limit applies, so does II.6	According to method	Each off-site MMU using biological degradation in an open tank or surface impoundment for which the owner or operator chooses the "HAP reduction efficiency" option	SC V SC VI	**40 CFR 63.684(b)(4)(i)**
8. Processed off-site material	ZZZ lb/hr HAP removed by biological degradation **NOTE:** 40 CFR 63.694(e) tells how to determine ZZZ	According to method	Each off-site MMU using biological degradation in an open tank or surface impoundment for which the owner or operator chooses the "HAP mass removal" option	SC V SC VI	**40 CFR 63.684(b)(4)(ii)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall limit bypass of the CONTROL DEVICE for routine maintenance of the closed-vent system or the control device while the EU/FG-MACT DD-OFFSITE WASTE & RECOVERY is operating to no more than 240 hours per 12-month rolling time period as determined at the end of each calendar month. Bypass of the CONTROL DEVICE for this purpose may only occur if the routine maintenance cannot occur during emission point shutdown. This restriction does not apply to periods of bypass during EU/FG-MACT DD-OFFSITE WASTE & RECOVERY operation required to correct a malfunction of the CONTROL DEVICE or the closed-vent system. **(40 CFR 63.693(b)(3)(i))** **This addresses the limited bypass of control devices for routine maintenance allowed by Subpart DD. Delete if there is no control device or, if the process was originally installed under a PTI with a condition which does not allow for this bypass.**

2. The permittee shall handle all removed HAP so as to minimize release of removed HAP to the atmosphere. **(40 CFR 63.684(c))** **Removed HAP includes materials removed from liquid or solid feeds, even if they were never air contaminants. This requirement does not apply to thermal destruction or biological degradation. If a source uses thermal destruction or biological degradation AND one or more of the methods to which the condition applies, EDIT the language to address only the specific processes to which the condition applies.**

IV. DESIGN/EQUIPMENT PARAMETER(S)

Use the following two conditions if the permittee uses a control device or other device/process to meet the treatment standards of Subpart DD.

1. Except as allowed in 40 CFR 63.693(b)(3), the permittee shall not operate EU/FG-MACT DD-OFFSITE WASTE & RECOVERY unless the CONTROL DEVICE(S) IS/ARE installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes maintaining the OPERATING PARAMETER within the parameters established through stack testing, design analysis, or another alternative method approved by the AQD District Supervisor. **(40 CFR 63.684(e)(3), 40 CFR 63.693(b)(3))** **This condition must identify the operating parameter and address the boundaries on the parameter that correspond to satisfactory operation. 40 CFR 63.693(b)(3) is general, for all control devices. Refer to 40 CFR 63.693 for the specific UAR for each type of control device (e.g., 40 CFR 63.693(d)(3) for carbon adsorption). Since the condition speaks of a single process or treatment unit, it may be necessary to copy or edit the condition to apply to more than one process or treatment unit. Remove the introductory phrase of this condition if the process was originally installed under a PTI and a condition in the PTI does not allow for the exception clauses in 40 CFR 63.693(b)(3).**

2. The permittee shall equip and maintain each bypass device in the closed-vent system with a flow indicator or a seal or lockout device, unless the bypass device is excluded from this requirement by 40 CFR 63.693(c)(2). **(40 CFR 63.693(c)(2))** **Use this condition if the closed-vent system has any bypass devices, as addressed in 40 CFR 63.693(c)(2).**

The following four conditions present control options for storage tanks. Delete those that do not apply. The conditions have been prepared for a single tank, therefore you may need to copy or edit any conditions that apply to more than one tank.

This condition covers the high vapor pressure options (vapor pressure ≥ 11.1 psi) for storage tanks, except for the pressure tank option.

3. The permittee shall not manage off-site material in IDENTIFIED STORAGE TANK(S) unless the (ASSOCIATED) CLOSED-VENT SYSTEM AND CONTROL DEVICE/ENCLOSURE, CLOSED-VENT SYSTEM, AND ENCLOSED COMBUSTION DEVICE IS/ARE installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes meeting the requirements of 40 CFR 63.685(g) and 40 CFR 63.693. **(40 CFR 63.685)**

OR

This condition covers the Level 2 controls options for storage tanks, except for the pressure tank option. Complying with any Level 2 controls option meets the requirement to apply Level 1 controls. Use 40 CFR 63.685 as UAR citation for all cases; this is the overall requirement to use these options.

3. The permittee shall not manage off-site material in IDENTIFIED STORAGE TANK(S) unless the (ASSOCIATED) INTERNAL FLOATING ROOF/EXTERNAL FLOATING ROOF/CLOSED-VENT SYSTEM AND CONTROL DEVICE/ENCLOSURE, CLOSED-VENT SYSTEM, AND AN ENCLOSED COMBUSTION DEVICE IS/ARE installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes meeting the requirements of 40 CFR 63.685(e) (for *internal* floating roofs), 63.685(f) (for *external* floating roofs), 63.685(g) (for closed-vent systems with control devices), 63.693 (for enclosures with enclosed combustion devices). **(40 CFR 63.685)**

OR

This is the pressure tank option for Level 2 controls and for high vapor pressure situations. Subpart DD contains other requirements for a pressure tank that are design requirements. These design requirements are either PTI review issues or, for existing sources, initial compliance issues, and do not normally appear as conditions in either a PTI or an ROP.

3. The permittee shall not manage off-site material in IDENTIFIED STORAGE TANK(S) unless the closure devices for tank openings are installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes not venting to the atmosphere except as allowed by 40 CFR 63.685(h)(3). **(40 CFR 63.685)**

OR

This condition addresses the Level 1 controls option for storage tanks of complying with 40 CFR Part 63, Subpart OO. It includes an exception clause that only applies if the tank is an interim transfer point tank. IF THE TANK IS NOT an interim transfer point tank, this clause MUST be deleted.

3. The permittee shall not manage off-site material in IDENTIFIED STORAGE TANK(S) unless the associated FIXED ROOF AND CLOSURE DEVICE(S) IS/ARE installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes meeting the requirements of 40 CFR Part 63, Subpart OO except that the tank may be uncovered during material transfers. **(40 CFR 63.685)**

4. The permittee shall not operate the OIL-WATER SEPARATOR/ORGANIC-WATER SEPARATOR unless the FLOATING ROOF/FIXED ROOF AND CLOSED-VENT SYSTEM AND CONTROL DEVICE/PRESSURIZED AND CLOSED-VENT SYSTEM AND CONTROL DEVICE IS/ARE installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes complying with 40 CFR Part 63, Subpart VV, except as allowed by 40 CFR 63.686(b). **(40 CFR 63.683, 40 CFR 63.686) This condition is for oil-water and organic-water separators.**

5. The permittee shall not operate the SURFACE IMPOUNDMENT unless the FLOATING MEMBRANE COVER/COVER AND CLOSED-VENT SYSTEM AND CONTROL DEVICE IS/ARE installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes complying with 40 CFR Part 63, Subpart QQ. **(40 CFR 63.683, 40 CFR 63.687) This condition is for surface impoundments.**

Select one or more of the appropriate conditions for containers.

This condition is for Level 3 controls for containers. Permanent total enclosure only applies if the owner or operator is using the enclosure, closed-vent system, and control device option. Subpart DD only requires Level 3 controls for containers with capacity greater than 0.1 m^3 (22 gallons) used for treating an off-site material in a waste stabilization process, and only when the off-site material in the container is exposed to the atmosphere. Level 3 controls are also an option an owner or operator may use for containers required to use either Level 1 controls or Level 2 controls.

6. The permittee shall not operate THE (specified) CONTAINER unless the CLOSED-VENT SYSTEM AND CONTROL DEVICE/ENCLOSURE, CLOSED-VENT SYSTEM, AND CONTROL DEVICE ARE installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes complying with the requirements of 40 CFR 63.924. Satisfactory operation of the enclosure includes complying with the criteria for a permanent total enclosure specified in Procedure T in 40 CFR 52.741, Appendix B. **(40 CFR 63.688)**

OR

Enclosure in this condition is NOT a permanent total enclosure. (See the condition above). This condition is for Level 2 controls for containers. Subpart DD only requires Level 2 controls for containers with capacity greater than 0.1 m^3 (22 gallons) used for treating an off-site material in a waste stabilization process, and only when the off-site material in the container is exposed to the atmosphere. Level 2 controls are also an option an owner or operator may use for containers required to use Level 1 controls.

6. The permittee shall not operate THE (specified) CONTAINER(S) unless all covers and closure devices are installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes complying with the requirements of 40 CFR 63.923. Satisfactory operation of the enclosure includes ensuring that all covers and closure devices are secured and maintained in a closed position, except as allowed by 40 CFR 63.923(d). **(40 CFR 63.688)**

OR

This condition is for Level 1 controls for containers. Subpart DD requires Level 1 controls for certain sizes of containers in certain uses. See 40 CFR 63.688(b)(1) and (b)(2). The owner or operator may choose to use Level 2 controls or Level 3 controls instead.

6. The permittee shall not operate THE (specified) CONTAINER(S) unless all covers and closure devices are installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes complying with the requirements of 40 CFR 63.922. Satisfactory operation of the covers and closure devices includes

ensuring that all covers and closure devices are secured and maintained in a closed position, except as allowed by 40 CFR 63.922(d). **(40 CFR 63.688)**

This condition is for transfer systems that are individual drain systems under Subpart DD. Control devices used will vary from case to case. Edit the text to address the configuration at hand, and remove any "satisfactory operation includes" sentence that does not apply.

7. The permittee shall not operate the TRANSFER SYSTEM unless the CLOSED-VENT SYSTEM AND CONTROL DEVICE/COVERS/WATER SEALS/CLOSURE DEVICES are installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the covers and closure devices includes ensuring that all covers and closure devices are secured and maintained in a closed position, except as allowed by 40 CFR 63.962(b)(5). Satisfactory operation of vented junction boxes includes venting through a closed-vent system to the control device, except as allowed by 40 CFR 63.962(b)(3)(ii). Satisfactory operation of a transfer system vented through a closed-vent system to the control device includes maintaining internal pressure in the vapor headspace of the system below atmospheric pressure when the control device is operating and complying with the requirements of 40 CFR 63.693(b)(3). **(40 CFR 63.689)**

OR

This condition is for transfer systems that are NOT individual drain systems under Subpart DD.

7. The permittee shall not operate the TRANSFER SYSTEM unless the CLOSED-VENT SYSTEM AND CONTROL DEVICE/COVERS AND CLOSURE DEVICES are installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the covers and closure devices includes ensuring that all covers and closure devices are secured and maintained in a closed position, except as allowed by 40 CFR 63.689(d)(5). Satisfactory operation of a transfer system vented through a closed-vent system to the control device includes both maintaining internal pressure in the vapor headspace of the system below atmospheric pressure when the control device is operating and complying with the requirements of 40 CFR 63.693(b)(3). **(40 CFR 63.689)**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall keep, in a satisfactory manner, a log of the monthly hours of bypass of the CONTROL DEVICE while the EU/FG-MACT DD-OFFSITE WASTE & RECOVERY is operating. **(40 CFR 63.693(b)(3)(i))**

2. The permittee shall record the time, duration of, and reason for each CONTROL DEVICE bypass. **(40 CFR 63.693(b)(3)(i))**

40 CFR 63.684(e)(1) requires the owner/operator to establish the appropriate parameters to monitor operation of the MMU(s), including appropriate maximum or minimum values, and to inspect the recorded data on a routine basis. The following are three versions of a required monitoring condition.

This condition requires continuous monitoring (which allows for recording an instantaneous data at least once every 15 minutes or an average value for intervals of 15 minutes or less) and applies to treatment methods OTHER THAN biological degradation performed in an open tank or surface impoundment.

3. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the PARAMETER FOR/FROM EU/FG-MACT DD-OFFSITE WASTE & RECOVERY on a continuous basis in accordance with 40 CFR Part 63, Subpart DD. **(40 CFR 63.684(e)(1))**

OR

40 CFR 63.684(e)(4) requires the owner/operator of a process using biological degradation performed in an open tank or surface impoundment to establish the appropriate parameters to monitor, including the

frequency of monitoring and appropriate maximum or minimum values, and to inspect the recorded data on a routine basis. Continuous monitoring is not automatically required for this case, as it appears to be for the other treatment methods. Use this version for the biological degradation … in an open tank, etc. continuous monitoring case.

3. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the PARAMETER FOR/FROM EU/FG-MACT DD-OFFSITE WASTE & RECOVERY on a TIMEFRAME basis in accordance with 40 CFR Part 63, Subpart DD. **(40 CFR 63.684(e)(4))**

OR

Use this version for the biological degradation … in an open tank, etc. NON-continuous monitoring case.

3. The permittee shall monitor, in a satisfactory manner, the PARAMETER FOR/FROM EU/FG-MACT DD-OFFSITE WASTE & RECOVERY on a TIMEFRAME basis in accordance with 40 CFR Part 63, Subpart DD. **(40 CFR 63.684(e)(4))**

4. The permittee shall keep, in a satisfactory manner, TIMEFRAME TYPE OF RECORD(S)/INFORMATION for EU/FG-MACT DD-OFFSITE WASTE & RECOVERY in accordance with 40 CFR Part 63, Subpart DD, as required by requirement VI.3. **(40 CFR 63.684(f))**

Subpart DD allows for two types of closed-vent systems. Inspection and monitoring requirements differ for the two types. The next three conditions address inspection and monitoring requirements for these two types of closed-vent systems.

This condition is for closed-vent systems designed to operate with no detectable organic emissions, following the option of 40 CFR 63.693(c)(1)(i). The permittee may instead choose to follow the HON leak-detection regimen.

5. The permittee shall, as follows, perform inspections and monitor operating information for the closed-vent system in accordance with 40 CFR 63.695(c)(1). **(40 CFR 63.693(b)(4)(i))**

   a. Monitoring at initial start-up using the procedures of 40 CFR 63.694(k), to demonstrate that the closed-vent system operates with no detectable organic emissions. **(40 CFR 63.695(c)(1)(i))**

   b. After initial start-up, an annual or more frequent visual inspection of system joints, seams, and other connections that are permanently or semi-permanently sealed to check for defects that could result in air emissions. **(40 CFR 63.695(c)(1)(ii)(A))**

   c. Following any time a component or connection that is permanently or semi-permanently sealed is repaired, replaced, or unsealed, monitoring of the component or connection using the procedures of 40 CFR 63.694(k), to demonstrate that the component or connection operates with no detectable organic emissions. **(40 CFR 63.695(c)(1)(ii)(A))**

   d. After initial start-up, annual or more frequent monitoring using the procedures of 40 CFR 63.694(k), of closed-vent system components and connections not described in 5.b and 5.c above, to demonstrate that the components and connections operate with no detectable organic emissions. **(40 CFR 63.69(c)(1)(ii)(B))**

   e. Monthly, visually inspect each seal or closure mechanism used pursuant to 40 CFR 63.693(c)(2)(ii) to verify that the bypass mechanism is maintained in the closed position. **(40 CFR 63.695(c)(1)(ii)(D))**

   f. The permittee shall repair defects and leaks detected in the closed-vent system as required in 40 CFR 63.695(c)(3). **(40 CFR 63.695(c)(3))**

OR

This condition is for closed-vent systems designed to operate below atmospheric pressure, following the option of 40 CFR 63.693(c)(1)(ii). The permittee may also choose to follow the HON leak-detection regimen, instead.

5. The permittee shall, as follows, perform inspections and monitor operating information for the closed-vent system in accordance with 40 CFR 63.695(c)(2). **(40 CFR 63.693(b)(4)(i))**

   a. Upon installation, a visual inspection to check for defects that could result in air emissions. **(40 CFR 6695(c)(2))**

b. At least once each calendar year after installation, except as allowed by 40 CFR 63.695(f) for dangerous, hazardous, or otherwise unsafe conditions, a visual inspection to check for defects that could result in air emissions. **(40 CFR 63.695(c)(2))**

c. For equipment for which visual inspection involves dangerous, hazardous, or unsafe conditions, the permittee shall inspect and monitor the equipment according to the written plan and schedule kept on file at the plant site pursuant to 40 CFR 63.695(f). **(40 CFR 63.695(f))**

d. The permittee shall repair defects and leaks detected in the closed-vent system as required in 40 CFR 63.695(c)(3). **(40 CFR 63.695(c)(3))**

OR

This condition is for either type of closed-vent system, where the permittee chooses to monitor the system under the provisions of the HON (40 CFR Part 63, Subpart H), rather than using the monitoring approach of 40 CFR 63.695(c).

5. The permittee shall monitor emissions and operating and maintenance information for the closed-vent system in accordance with the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 63, Subpart H, as follows. **(40 CFR 63.693(b)(4)(ii))**

   a. Inspect and monitor the closed-vent system according to 40 CFR 63.172(f) through (h).

   b. Keep records according to 40 CFR 63.181.

6. Unless otherwise specified, "continuous" monitoring systems used for the closed-vent system shall monitor and record either an instantaneous data value at least once every 15 minutes or an average value for intervals of 15 minutes or less. **(40 CFR 63.695(c)(1)(ii)(C))** **This condition is for closed-vent systems that use a continuous monitor.**

7. The permittee shall, as follows, perform inspections and monitor operating information for the transfer system and its cover and closures in accordance with 40 CFR 63.695(d). **(40 CFR 63.695(d))**

   a. Upon installation, a visual inspection to check for defects that could result in air emissions. **(40 CFR 63.695(d)(2))**

   b. At least once each calendar year after installation, except as allowed by 40 CFR 63.695(f) for dangerous, hazardous, or otherwise unsafe conditions, a visual inspection to check for defects that could result in air emissions. **(40 CFR 63.695(d)(2))**

   c. For equipment for which visual inspection involves dangerous, hazardous, or unsafe conditions, the permittee shall inspect and monitor the equipment according to the written plan and schedule kept on file at the plant site pursuant to 40 CFR 63.695(f). **(40 CFR 63.695(f))**

   d. The permittee shall repair defects and leaks detected in the transfer system and its cover and closures as required in 40 CFR 63.695(d)(3). **(40 CFR 63.695(d)(3))**

   This condition is for transfer systems that are not individual drain systems equipped with a cover, following the option of 40 CFR 63.689(c)(1).

   Subpart DD requires continuous monitoring and recording for many control devices. If applicable, include the next two conditions, to address monitoring of control devices where continuous parameter monitoring is required. It may be appropriate to add the specific Subrule to 40 CFR 63.693(?) which requires the particular continuous monitor used.

8. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the PARAMETER FOR/FROM EU/FG-MACT DD-OFFSITE WASTE & RECOVERY on a continuous basis in accordance with 40 CFR Part 63, Subpart DD. **(40 CFR 63.693)**

9. The permittee shall keep, in a satisfactory manner, continuous TYPE OF RECORD(S)/INFORMATION for EU/FG-MACT DD-OFFSITE WASTE & RECOVERY in accordance with 40 CFR Part 63, Subpart DD, as required by requirement VI.8. **(40 CFR 63.693)**

10. The permittee shall develop a plan for periodic inspection and monitoring of equipment for which inspection or monitoring involves dangerous, hazardous, or otherwise unsafe conditions. The permittee shall keep a written record of the plan on file at the facility and make it available to the Department upon request.

(40 CFR 63.695(f)) **This condition requires the permittee to develop and keep on file, at the site, a plan and schedule for monitoring equipment designated as involving dangerous, hazardous, or otherwise unsafe conditions.**

11. The permittee shall keep, in a satisfactory manner, the following records for EU/FG-MACT DD-OFFSITE WASTE & RECOVERY. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 63.696)**

    a. Records required by Table 2 of 40 CFR Part 63, Subpart DD. **(40 CFR 63.696(a))**

    b. Records for control devices pursuant to 40 CFR 63.10. **(40 CFR 63.696(b))**

    c. For each tank using an internal or external floating roof to comply with 40 CFR Part 63, Subpart DD, documentation of floating roof design and tank dimensions, inspections performed, defects detected, and repairs or other actions taken. **(40 CFR 63.696(d))**

    d. For each tank using a fixed roof to comply with 40 CFR Part 63, Subpart DD, documentation of inspections performed, defects detected, and repairs or other actions taken. **(40 CFR 63.696(e))**

    e. For each tank using an enclosure to comply with 40 CFR Part 63, Subpart DD, records of the most recent set of calculations and measurements verifying that the enclosure constitutes a permanent total enclosure according to Procedure T under 40 CFR 52.741, Appendix B. **(40 CFR 63.696(f))**

    f. Semiannual records of planned maintenance operations required by 40 CFR 63.696(g). **(40 CFR 63.696(g))**

    g. Records for unexpected control device system malfunctions. **(40 CFR 63.696(h))**

See Appendices **{Enter 3, 4, and/or 7}**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R336.1213(4)(c))**

4. The permittee shall keep, in a satisfactory manner, TIMEFRAME TYPE OF RECORD(S)/INFORMATION for EU/FG-MACT DD-OFFSITE WASTE & RECOVERY, as required by requirement NUMBER. The permittee shall submit all records to the AQD District Supervisor in an acceptable format within 30 days following the end of the TIMEFRAME in which the records were collected. **(40 CFR 63.697)** **Subpart DD requires notices according to 40 CFR 63.9 and reporting according to 40 CFR 63.10, as modified by Table 2 of Subpart DD, along with Subpart-specific reporting. This condition is generic, and should be made specific to the situation. This may require additional conditions or use of a different condition as the starting point.**

5. The permittee shall submit the following reports and information to the AQD District Supervisor.

    a. Notices and reports pursuant to 40 CFR 63.9 and 40 CFR 63.10, as required by Table 2 of 40 CFR Part 63, Subpart DD. **(40 CFR 63.697(a))**

    b. Notifications and reports for control devices identified in 40 CFR 63.697(b). **(40 CFR 63.697(b))**

    c. For each tank using an internal or external floating roof to comply with the "Level 2" tank control requirements of 40 CFR 63.695(b), notification of inspections identified in 40 CFR 63.697(c). **(40 CFR 63.697(c))**

    d. Reports for the closed-vent system according to 40 CFR 63.182. **Include (d) only if the permittee is monitoring the closed-vent system under the provisions of the HON (40 CFR Part 63, Subpart H), rather than using the monitoring approach of 40 CFR 63.695(c).**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations, as specified in 40 CFR Part 63, Subpart A and Subpart DD. **(40 CFR Part 63, Subparts A and DD)**

Footnotes:
[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

EU/FG-PROCESSVENTS
EMISSION UNIT/FLEXIBLE GROUP CONDITIONS
40 CFR Part 63, Subpart DD covers major sources of HAPs.

Red text identifies options. Select the option that applies to the source and change the text to black. Delete red text that does not apply and renumber conditions if necessary.

Blue text is guidance or notes on the use of the template. Delete all blue text prior to issuing the final permit or submitting it with a permit application. Read through all conditions to determine which are appropriate for your source.

If this template is being used for an ROP Reopening or Renewal, and the MACT conditions were established in a PTI, the appropriate footnotes which reference enforceability must be added to each applicable condition in the template.

DESCRIPTION

Process vents as described in 40 CFR 63.680(c)(2)

Identify specific equipment used by the facility.

Flexible Group ID: For EU table, (if no FG table associated, do not remove just use "NA")

Emission Units: Identify Emission Units in this Flexible Group (For FG table only, if no EU table associated, do not remove just use "NA")

POLLUTION CONTROL EQUIPMENT

Vapor incinerator/ Boiler or process heater/ NA

I. EMISSION LIMIT(S) These emission limits apply only if the permittee uses a vapor incinerator, boiler, or process heater to control emissions from one or more process vents. If the source does not use these control devices, remove the limits that DO NOT apply, edit the equipment column entries, enter monitoring/testing method references, and renumber as needed.

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Total organic carbon (TOC), less methane and ethane	Less than 20 ppmv	According to method	Each process vent (or combination of process vents venting to a common control device) using a vapor incinerator	SC V SC VI	**40 CFR 63.693(f)(1)(i)(B)**
2. Total volatile organic HAPs (VOHAPs)*	Less than 20 ppmv	According to method	Each process vent (or combination of process vents venting to a common control device) using a vapor incinerator	SC V SC VI	**40 CFR 63.693(f)(1)(ii)(B)**
3. Total organic carbon (TOC), less methane and ethane	Less than 20 ppmv	According to method	Each process vent (or combination of process vents venting to a common control device) using a boiler or a process heater	SC V SC VI	**40 CFR 63.693(g)(1)(i)(B)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
4. Total volatile organic HAPs (VOHAPs)*	Less than 20 ppmv	According to method	Each process vent (or combination of process vents venting to a common control device) using a boiler or a process heater	SC V SC VI	**40 CFR 63.693(g)(1)(ii)(B)**
* Volatile organic HAPs are identified in Table 1 of 40 CFR Part 63, Subpart DD. Limits are on a dry basis, corrected to 3 percent oxygen					

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

The following conditions address requirements specific to different types of control devices for process vents.

1. The permittee shall maintain a minimum removal efficiency of 95 percent across the carbon adsorption/condensation control system for total organic compounds (TOC), less methane and ethane/total HAPs listed in Table 1 of 40 CFR Part 63, Subpart DD. **(40 CFR 63.693(d)(1)/(e)(1)) This condition is for either carbon adsorption control devices or condensation control devices. Use UAR of 63.693(d)(1) for carbon adsorption and 63.693(e)(1) for condensation. The permittee may choose whether to base control on total Table 1 HAPs or TOC, less methane and ethane. According to 40 CFR 63.690(b), a primary condenser is NOT a control device, and cannot be subject to this condition. However, a secondary condenser would be a control device for a process vent under Subpart DD.**

OR

The next two conditions present options for a vapor incinerator control device for a process vent. A third option, to meet either a TOC- or HAP-based emission limit of 20 ppmv, dry basis, at 3 percent oxygen, appears as conditions I.1 and I.2 in the Emission Limits section. The permittee may choose which option to follow.

This condition addresses the residence time and temperature option.

1. The permittee shall not operate equipment vented to the vapor incinerator unless a minimum temperature of 760°C/1400°F and a minimum retention time of 0.5 second in the vapor incinerator are maintained. **(40 CFR 63.693(f)(1)(iii))**

OR

This condition addresses the destruction efficiency option. Use 40 CFR 63.693(f)(1)(i)(A) for TOC control basis and 40 CFR 63.693(f)(1)(ii)(A) for Table 1 HAPs basis. The permittee may choose which pollutant to address.

1. The permittee shall maintain a minimum destruction efficiency of 95 percent across the vapor incinerator for total organic compounds (TOC), less methane and ethane/total HAPs listed in Table 1 of 40 CFR Part 63, Subpart DD. **40 CFR 63.693(f)(1)(i)(A)/(f)(1)(ii)(A))**

The next four conditions present options for boilers and process heaters used as control devices for process vents. A fifth option, to meet either a TOC- or HAP-based emission limit of 20 ppmv, dry basis, at 3 percent oxygen, appears as conditions I.3 and I.4 in the Emission Limits section. The permittee may choose which option to follow.

This condition addresses the residence time and temperature option for boilers and process heaters used as control devices.

1. The permittee shall not operate equipment vented to the boiler/process heater unless the process vent stream is introduced into the flame zone of the boiler/process heater and a minimum temperature of 760°C/1400°F and a minimum retention time of 0.5 second in the boiler/process heater are maintained. **(40 CFR 63.693(g)(1)(iii))**

OR

This condition addresses the destruction efficiency option for boilers and process heaters used as control devices. Use UAR of 63.693(g)(1)(i)(A) for TOC control basis and 63.693(g)(1)(ii)(A) for Table 1 HAPs basis. The permittee may choose which pollutant to address.

1. The permittee shall maintain a minimum destruction efficiency of 95 percent across the boiler/process heater for total organic compounds (TOC), less methane and ethane/total HAPs listed in Table 1 of 40 CFR Part 63, Subpart DD. **(40 CFR 63.693(g)(1)(i)(A)/(g)(1)(ii)(A))**

OR

This condition addresses the predominant fuel option for boilers and process heaters used as control devices.

1. The permittee shall not operate equipment vented to the boiler/process heater unless the process vent stream is introduced to the boiler/process heater with the fuel that provides the predominant heat input to the boiler/process heater. **(40 CFR 63.693(g)(1)(iv))**

OR

This condition addresses the "Part 266 and Part 270" option for boilers and process heaters used as control devices.

1. The permittee shall not operate equipment vented to the boiler/process heater unless the permittee meets one of the following requirements:

   a. The permittee has a final permit for the boiler/process heater under 40 CFR Part 270, and the boiler/process heater is designed and operated according to 40 CFR Part 266, Subpart H. **(40 CFR 63.693(g)(1)(v))**

   b. The permittee has certified compliance with the interim status requirements of 40 CFR Part 266, Subpart H for the boiler/process heater. **(40 CFR 63.693(g)(1)(v))**

2. The permittee shall limit bypass of the CONTROL DEVICE for routine maintenance of the closed-vent system or the control device while the EU/FG-PROCESSVENTS is operating to no more than 240 hours per 12-month rolling time period as determined at the end of each calendar month. Bypass of the CONTROL DEVICE for this purpose may only occur if the routine maintenance cannot occur during emission point shutdown. This restriction does not apply to periods of bypass during EU/FG-PROCESSVENTS operation required to correct a malfunction of the CONTROL DEVICE or the closed-vent system. **(40 CFR 63.693(b)(3)(i))** **This condition addresses the limited bypass of control devices for routine maintenance. If the process was originally installed under a PTI, the PTI may not allow for this bypass and this condition must be removed.**

3. The permittee shall handle all removed HAP so as to minimize release of removed HAP to the atmosphere. **(40 CFR 63.684(c))** **Removed HAP includes materials removed from liquid or solid feeds, even if they were never air contaminants. This requirement does not apply to thermal destruction or biological degradation. If a source uses thermal destruction or biological degradation AND one or more of the methods to which the condition applies, EDIT the language to address only the specific processes to which the condition applies.**

IV. DESIGN/EQUIPMENT PARAMETER(S)

Use the following two conditions if the permittee uses a control device or other device/process to meet the treatment standards of Subpart DD.

1. Except as allowed in 40 CFR 63.693(b)(3), the permittee shall not operate EU/FG-PROCESSVENTS unless the CONTROL DEVICE(S) IS/ARE installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes maintaining the OPERATING PARAMETER within the parameters established through stack testing, design analysis, or another alternative method approved by the AQD District Supervisor. **(40 CFR 63.684(e)(3), 40 CFR 63.693(b)(3))** **This condition must identify the operating parameter and address the boundaries on the parameter that correspond to satisfactory operation. 40 CFR 63.693(b)(3) is general for all control devices. Refer to 40 CFR 63.693 for the specific UAR for**

each type of control device (e.g., 40 CFR 63.693(d)(3) for carbon adsorption). Since the condition speaks of a single process or treatment unit, it may be necessary to copy or edit the condition to apply to more than one process or treatment unit. Remove the introductory phrase of this condition if the process was originally installed under a PTI and a condition in the PTI does not allow for the exception clauses in 40 CFR 63.693(b)(3).

Use this condition if the closed-vent system has any bypass devices, as addressed in 40 CFR 63.693(c)(2).

2. The permittee shall equip and maintain each bypass device in the closed-vent system with a flow indicator or a seal or lockout device, unless the bypass device is excluded from this requirement by 40 CFR 63.693(c)(2). **(40 CFR 63.693(c)(2))**

   This condition relates to the overall closed-vent system and control device situation. Other conditions address requirements specific to different types of control devices.

3. The permittee shall not operate EU/FG-PROCESSVENTS unless the CLOSED-VENT SYSTEM AND CONTROL DEVICE(S) ARE installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the closed-vent system and control device includes complying with the requirements of 40 CFR 63.693. **(40 CFR 63.690, 40 CFR 63.693)**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall keep, in a satisfactory manner, a log of the monthly hours of bypass of the CONTROL DEVICE while the EU/FG-PROCESSVENTS is operating. **(40 CFR 63.693(b)(3)(i))**

2. The permittee shall record the time, duration of, and reason for each CONTROL DEVICE bypass. **(40 CFR 63.693(b)(3)(i))**

   Subpart DD allows for two types of closed-vent systems. Inspection and monitoring requirements differ for the two types. The next three conditions address inspection and monitoring requirements for these two types of closed-vent systems.

   This condition is for closed-vent systems designed to operate with no detectable organic emissions, following the option of 40 CFR 63.693(c)(1)(i). The permittee may alternatively choose to follow the HON leak-detection regimen.

3. The permittee shall, as follows, perform inspections and monitor operating information for the closed-vent system in accordance with 40 CFR 63.695(c)(1). **(40 CFR 63.693(b)(4)(i))**

   a. Monitoring at initial start-up using the procedures of 40 CFR 63.694(k), to demonstrate that the closed-vent system operates with no detectable organic emissions. **(40 CFR 63.695(c)(1)(i))**

   b. After initial start-up, an annual or more frequent visual inspection of system joints, seams, and other connections that are permanently or semi-permanently sealed to check for defects that could result in air emissions. **(40 CFR 63.695(c)(1)(ii)(A))**

   c. Following any time a component or connection that is permanently or semi-permanently sealed is repaired, replaced, or unsealed, monitoring of the component or connection using the procedures of 40 CFR 63.694(k), to demonstrate that the component or connection operates with no detectable organic emissions. **(40 CFR 63.695(c)(1)(ii)(A))**

d. After initial start-up, annual or more frequent monitoring using the procedures of 40 CFR 63.694(k), of closed-vent system components and connections not described in 3.b and 3.c above, to demonstrate that the components and connections operate with no detectable organic emissions. **(40 CFR 63.695(c)(1)(ii)(B))**

e. Monthly, visually inspect each seal or closure mechanism used pursuant to 40 CFR 63.693(c)(2)(ii) to verify that the bypass mechanism is maintained in the closed position. **(40 CFR 63.695(c)(ii)(D))**

f. The permittee shall repair defects and leaks detected in the closed-vent system as required in 40 CFR 63.695(c)(3). **(40 CFR 63.695(c)(3))**

OR

This condition is for closed-vent systems designed to operate below atmospheric pressure, following the option of 40 CFR 63.693(c)(1)(ii). The permittee may alternatively choose to follow the HON leak-detection regimen.

3. The permittee shall, as follows, perform inspections and monitor operating information for the closed-vent system in accordance with 40 CFR 63.695(c)(2). **(40 CFR 63.693(b)(4)(i))**

   a. Upon installation, a visual inspection to check for defects that could result in air emissions. **(40 CFR 63.695(c)(2))**

   b. At least once each calendar year after installation, except as allowed by 40 CFR 63.695(f) for dangerous, hazardous, or otherwise unsafe conditions, a visual inspection to check for defects that could result in air emissions. **(40 CFR 63.695(c)(2))**

   c. For equipment for which visual inspection involves dangerous, hazardous, or unsafe conditions, the permittee shall inspect and monitor the equipment according to the written plan and schedule kept on file at the plant site pursuant to 40 CFR 63.695(f). **(40 CFR 63.695(f))**

   d. The permittee shall repair defects and leaks detected in the closed-vent system as required in 40 CFR 63.695(c)(3). **(40 CFR 63.695(c)(3))**

OR

This condition is for either type of closed-vent system, where the permittee chooses to monitor the system under the provisions of the HON (40 CFR Part 63, Subpart H), rather than using the monitoring approach of 40 CFR 63.695(c).

3. The permittee shall monitor emissions and operating and maintenance information for the closed-vent system in accordance with the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 63, Subpart H, as follows. **(40 CFR 63.693(b)(4)(ii))**

   a. Inspect and monitor the closed-vent system according to 40 CFR 63.172(f) through (h).

   b. Keep records according to 40 CFR 63.181.

   c. Submit reports according to 40 CFR 63.182.

This condition is for closed-vent systems that use a continuous monitor.

4. Unless otherwise specified, “continuous” monitoring systems used for the closed-vent system shall monitor and record either an instantaneous data value at least once every 15 minutes or an average value for intervals of 15 minutes or less. **(40 CFR 63.695(c)(1)(ii)(C))**

Subpart DD requires continuous monitoring and recording for many control devices. If applicable, include the next two conditions, to address monitoring of control devices where continuous parameter monitoring is required. It may be appropriate to add the specific Subrule to 40 CFR 63.693(?) which requires the particular continuous monitor used.

5. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the PARAMETER FOR/FROM EU/FG-PROCESSVENTS on a continuous basis in accordance with 40 CFR Part 63, Subpart DD. **(40 CFR 63.693)**

6. The permittee shall keep, in a satisfactory manner, continuous TYPE OF RECORD(S)/INFORMATION for EU/FG-PROCESSVENTS in accordance with 40 CFR Part 63, Subpart DD, as required by requirement 5. **(40 CFR 63.693)**

7. The permittee shall develop a plan for periodic inspection and monitoring of equipment for which inspection or monitoring involves dangerous, hazardous, or otherwise unsafe conditions. The permittee shall keep a written record of the plan on file at the facility and make it available to the Department upon request. **(40 CFR 63.695(f))**

8. The permittee shall keep, in a satisfactory manner, the following records for EU/FG-PROCESSVENTS. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 63.696)**

   a. Records required by Table 2 of 40 CFR Part 63, Subpart DD. **(40 CFR 63.696(a))**

   b. Records for control devices pursuant to 40 CFR 63.10. **(40 CFR 63.696(b))**

   c. For each tank using an internal or external floating roof to comply with 40 CFR Part 63, Subpart DD, documentation of floating roof design and tank dimensions, inspections performed, defects detected, and repairs or other actions taken. **(40 CFR 63.696(d))**

   d. For each tank using a fixed roof to comply with 40 CFR Part 63, Subpart DD, documentation of inspections performed, defects detected, and repairs or other actions taken. **(40 CFR 63.696(e))**

   e. For each tank using an enclosure to comply with 40 CFR Part 63, Subpart DD, records of the most recent set of calculations and measurements verifying that the enclosure constitutes a permanent total enclosure according to Procedure T under 40 CFR 52.741, Appendix B. **(40 CFR 63.696(f))**

   f. Semiannual records of planned maintenance operations required by 40 CFR 63.696(g). **(40 CFR 63.696(g))**

   g. Records for unexpected control device system malfunctions. **(40 CFR 63.696(h))**

9. The permittee shall submit the following reports and information to the AQD District Supervisor.

   a. Notices and reports pursuant to 40 CFR 63.9 and 40 CFR 63.10, as required by Table 2 of 40 CFR Part 63, Subpart DD. **(40 CFR 63.697(a))**

   b. Notifications and reports for control devices identified in 40 CFR 63.697(b). **(40 CFR 63.697(b))**

   c. For each tank using an internal or external floating roof to comply with the "Level 2" tank control requirements of 40 CFR 63.695(b), notification of inspections identified in 40 CFR 63.697(c). **(40 CFR 63.697(c))**

See Appendices {Enter 3, 4, and/or 7}

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

   Subpart DD requires notices according to 40 CFR 63.9 and reporting according to 40 CFR 63.10, as modified by Table 2 of Subpart DD, along with Subpart-specific reporting. This condition is generic, and should be made specific to the situation. This may require additional conditions or use of a different condition as the starting point.

4. The permittee shall keep, in a satisfactory manner, TIMEFRAME TYPE OF RECORD(S)/INFORMATION for EU/FG-PROCESSVENTS, as required by requirement NUMBER. The permittee shall submit all records to the AQD District Supervisor in an acceptable format within 30 days following the end of the TIMEFRAME in which the records were collected. **(40 CFR 63.697)**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations, as specified in 40 CFR Part 63, Subpart A and Subpart DD. **(40 CFR Part 63, Subparts A and DD)**

Footnotes:
[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

EU/FG-LEAKS
EMISSION UNIT/FLEXIBLE GROUP CONDITIONS
40 CFR Part 63, Subpart DD covers major sources of HAPs.

Red text identifies options. Select the option that applies to the source and change the text to black. Delete red text that does not apply and renumber conditions if necessary.

Blue text is guidance or notes on the use of the template. Delete all blue text prior to issuing the final permit or submitting it with a permit application. Read through all conditions to determine which are appropriate for your source.

If this template is being used for an ROP Reopening or Renewal, and the MACT conditions were established in a PTI, the appropriate footnotes which reference enforceability must be added to each applicable condition in the template.

DESCRIPTION

This flexible group is for "equipment leaks," which refers to volatile organics leaking from equipment such as pumps, valves, compressors, etc. as described by 40 CFR 63.680(c)(3).

Identify specific equipment used by the facility.

Flexible Group ID: For EU table, (if no FG table associated, do not remove just use "NA")

Emission Units: Identify Emission Units in this Flexible Group (For FG table only, if no EU table associated, do not remove just use "NA")

POLLUTION CONTROL EQUIPMENT

Vapor incinerator/ Boiler or process heater/ NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA	NA	NA	NA	NA	NA

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

Subpart DD requires records according to 40 CFR 63.10, along with some Subpart-specific records. This condition is generic, and should be made specific to the situation. This may require additional conditions or using a different condition as the starting point.

1. The permittee shall keep, in a satisfactory manner, TIMEFRAME TYPE OF RECORD(S)/INFORMATION for EU/FG-LEAKS in accordance with 40 CFR Part 63, Subpart DD, as required by requirement NUMBER. **(40 CFR 63.696(a))**

   The next conditions present two alternative ways to address the Subpart DD requirement to establish a leak detection and repair (LDAR) program that follows either the "old" NESHAP (40 CFR Part 61, Subpart V) or the HON (40 CFR Part 63, Subpart H). A third option would be to include the detailed requirements in this table. Subpart DD allows the permittee to choose which NESHAP to follow. Edit the conditions and their UARs to specify the chosen option.

   This option presumes that detailed requirements for the LDAR program are presented in another flexible group of the permit, and that this flexible group contains the record keeping requirements. It uses one condition, referring to another flexible group in the same permit for the detailed LDAR requirements.

2. The permittee shall comply with the equipment leak provisions of 40 CFR Part 61, Subpart V, as presented in 40 CFR 61.242 through 40 CFR 61.247/40 CFR Part 63, Subpart H as presented in 40 CFR 63.162 through 40 CFR 63.182, as referenced in 40 CFR Part 63, Subpart DD, 40 CFR 63.691. **(40 CFR 63.691)**

OR

   This option uses a combines monitoring and recordkeeping.

2. The permittee shall monitor and keep records of emissions and operating information for EU/FG-LEAKS in accordance with the federal National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 61/63, Subparts A and V/H. **(40 CFR 63.691)**

3. The permittee shall develop a plan for periodic inspection and monitoring of equipment for which inspection or monitoring involves dangerous, hazardous, or otherwise unsafe conditions. The permittee shall keep a written record of the plan on file at the facility and make it available to the Department upon request. **(40 CFR 63.695(f))**

4. The permittee shall keep, in a satisfactory manner, the following records for EU/FG-LEAKS. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 63.696)**

   a. Records required by Table 2 of 40 CFR Part 63, Subpart DD. **(40 CFR 63.696(a))**

   b. Records for control devices pursuant to 40 CFR 63.10. **(40 CFR 63.696(b))**

   c. For each tank using an internal or external floating roof to comply with 40 CFR Part 63, Subpart DD, documentation of floating roof design and tank dimensions, inspections performed, defects detected, and repairs or other actions taken. **(40 CFR 63.696(d))**

   d. For each tank using a fixed roof to comply with 40 CFR Part 63, Subpart DD, documentation of inspections performed, defects detected, and repairs or other actions taken. **(40 CFR 63.696(e))**

   e. For each tank using an enclosure to comply with 40 CFR Part 63, Subpart DD, records of the most recent set of calculations and measurements verifying that the enclosure constitutes a permanent total enclosure according to Procedure T under 40 CFR 52.741, Appendix B. **(40 CFR 63.696(f))**

   f. Semiannual records of planned maintenance operations required by 40 CFR 63.696(g). **(40 CFR 63.696(g))**

g. Records for unexpected control device system malfunctions. **(40 CFR 63.696(h))**

5. The permittee shall submit the following reports and information to the AQD District Supervisor.

   a. Notices and reports pursuant to 40 CFR 63.9 and 40 CFR 63.10, as required by Table 2 of 40 CFR Part 63, Subpart DD. **(40 CFR 63.697(a))**

   b. Notifications and reports for control devices identified in 40 CFR 63.697(b). **(40 CFR 63.697(b))**

   c. For each tank using an internal or external floating roof to comply with the "Level 2" tank control requirements of 40 CFR 63.695(b), notification of inspections identified in 40 CFR 63.697(c). **(40 CFR 63.697(c))**

See Appendices {Enter 3, 4, and/or 7}

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

   Subpart DD requires notices according to 40 CFR 63.9 and reporting according to 40 CFR 63.10, as modified by Table 2 of Subpart DD, along with Subpart-specific reporting. This condition is generic, and should be made specific to the situation. This may require additional conditions or use of a different condition as the starting point.

4. The permittee shall keep, in a satisfactory manner, TIMEFRAME TYPE OF RECORD(S)/INFORMATION for EU/FG-LEAKS, as required by requirement NUMBER. The permittee shall submit all records to the AQD District Supervisor in an acceptable format within 30 days following the end of the TIMEFRAME in which the records were collected. **(40 CFR 63.697)**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations, as specified in 40 CFR Part 63, Subpart A and Subpart DD. **(40 CFR Part 63, Subparts A and DD)**

Footnotes:
[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

FG-OSWROMACT
FLEXIBLE GROUP CONDITIONS
40 CFR Part 63, Subpart DD covers major sources of HAPs.

Red text identifies options. Select the option that applies to the source and change the text to black. Delete red text that does not apply and renumber conditions if necessary.

Blue text is guidance or notes on the use of the template. Delete all blue text prior to issuing the final permit or submitting it with a permit application. Read through all conditions to determine which are appropriate for your source.

If this template is being used for an ROP Reopening or Renewal, and the MACT conditions were established in a PTI, the appropriate footnotes which reference enforceability must be added to each applicable condition in the template.

DESCRIPTION

This flexible group is for overall requirements of Subpart DD that cover more "territory" than any of the other DD-related emission units or flexible groups.

Identify specific equipment used by the facility.

Emission Units: Identify Emission Units in this Flexible Group

POLLUTION CONTROL EQUIPMENT

Identify specific control equipment used by the facility.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA	NA	NA	NA	NA	NA

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall handle all removed HAP so as to minimize release of removed HAP to the atmosphere. **(40 CFR 63.684(c))** **HAP "removed from the off-site material," includes materials removed from liquid or solid feeds, even if they were never air contaminants. This requirement does not apply to thermal destruction or biological degradation. If a source uses thermal destruction or biological degradation AND one or more of the methods to which the condition applies, EDIT the language to address only the specific processes to which the condition applies. As an alternative, this condition could be removed from this table and copied to each other emission unit or flexible group where HAPs are removed.**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

Subpart DD requires records according to 40 CFR 63.10, along with some Subpart-specific records. This condition is generic, and should be made specific to the situation. This may require additional conditions or using a different condition as the starting point.

1. The permittee shall keep, in a satisfactory manner, TIMEFRAME TYPE OF RECORD(S)/INFORMATION for FG-OSWROMACT in accordance with 40 CFR Part 63, Subpart DD, as required by requirement NUMBER. **(40 CFR 63.696(a))**

2. The permittee shall keep, in a satisfactory manner, all records required by Table 2 of 40 CFR Part 63, Subpart DD for FG-OSWROMACT. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 63.696(a))**

3. The permittee shall submit notices and reports pursuant to 40 CFR 63.9 and 40 CFR 63.10, as required by Table 2 of 40 CFR Part 63, Subpart DD to the AQD District Supervisor. **(40 CFR 63.697(a))**

See Appendices {Enter 3, 4, and/or 7}

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

   Subpart DD requires notices according to 40 CFR 63.9 and reporting according to 40 CFR 63.10, as modified by Table 2 of Subpart DD, along with some Subpart-specific reporting. This condition is generic, and should be made specific to the situation. This may require additional conditions or using a different condition as the starting point.

4. The permittee shall keep, in a satisfactory manner, TIMEFRAME TYPE OF RECORD(S)/INFORMATION for FG-OSWROMACT, as required by requirement NUMBER. The permittee shall submit all records to the AQD District Supervisor in an acceptable format within 30 days following the end of the TIMEFRAME in which the records were collected. **(40 CFR 63.697)**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations, as specified in 40 CFR Part 63, Subpart A and Subpart DD. **(40 CFR Part 63, Subparts A and DD)**

Footnotes:
[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).